

CLAIMS

1. Dispenser for media, as fluids containing at least one pharmaceutical active substance, an actuation of an actuating means permitting the discharge of medium stored in a storage chamber in at least two portioned, partial charges, the actuation of the actuating means taking place by producing a relative movement between the actuating means and a housing having a dispenser discharge opening, wherein an elastically deformable material bridge (21) is provided, by means of which the actuating means (19) is held on the housing (16), the material bridge (21) being pretensioned by deformation during actuation.
2. Dispenser according to claim 1, wherein on relaxing the material bridge (21), a return stroke opposed to the actuation automatically takes place.
3. Dispenser according to claim 1, wherein the material bridge (21) is formed from at least one web (22), which has a curved configuration in the relaxed state.
4. Dispenser according to claim 3, wherein at least two webs (22) are provided, said at least two webs (22) being uniformly distributed in rotationally symmetrical manner about a central axis.
5. Dispenser according to claim 3, wherein, in the relaxed state, said at least one web (22) is approximately arcuate.
6. Dispenser according to claim 3, wherein ends of the said at least one web (22) facing the housing (16) meets in a ring section (24).
7. Dispenser according to claim 6, wherein the ring section (24) facing the housing (16) is supported on the latter.

8. Dispenser according to claim 6, wherein the ring section (24) facing the housing (16) is undetachably connected to the housing (16).

9. Dispenser according to claim 6, wherein the ring section (24) facing the housing (16) is detachably fixed to the housing (16).

10. Dispenser according to claim 3, wherein on a ring section (24) is provided a guide sleeve (35), which is constructed coaxially to the central axis and projects into the interior of the housing (16).

11. Dispenser according to claim 1, wherein the material bridge (21) is constructed as a bellows (29).

12. Dispenser according to claim 11, wherein the bellows (29) has a coiled folding edge configuration.

13. Dispenser according to claim 1, wherein the material bridge (21) is in particular made from a breaking-resistant plastic.

14. Dispenser according to claim 1, wherein the storage chamber (15) is part of a container (14) and constructed as a pump chamber (40) of a thrust piston pump, the thrust piston being a plug (41) sealingly closing the pump chamber (40) and in the housing (16) a discharge channel (42) leading to the discharge opening (17) is constructed in a piston rod (43) and which during the first actuation perforates the plug (41) and therefore produces the connection between the pump chamber (40) and the discharge opening (17) and subsequently during actuation acts on the piston in such a way that the piston is moved into the same in the sense of reducing the volume of the pump chamber (40).

15. Dispenser according to claim 1, wherein a storage container with said storage chamber (15) is held in a sleeve (45), which is displaceably guided with respect to the housing (16).

16. Dispenser according to claims 1, wherein a container (14) with said storage chamber (15) can be introduced into the dispenser (11) through an opening, particularly through an actuating element-side ring section (46).

17. Dispenser according to claim 1, wherein at least one of locking and stop means (49), which at least serve to limit an actuating stroke, act at least indirectly between the actuating means (19) and the housing (16).

18. Dispenser according to claim 1, wherein at least one of locking and stop means, which act against a return stroke of the container (14) during the return stroke of the actuating element (19), act at least indirectly between the actuating means (20) and the housing (16).

19. Dispenser according to claims 1, wherein locking means (37), which must be pressed over for producing an actuating stroke of the actuating element (19), act at least indirectly between the actuating means (20) and the housing (16).

20. Dispenser according to claim 1, wherein the material bridge (21) serves as the actuating element.

21. Dispenser according to claim 20, wherein the area of the material bridge (21) engaging on the housing (16) is constructed as a back-stop (18).

22. Dispenser according to claim 1, wherein in the area not covered by the housing (16), the material bridge (21) is surrounded by an actuating element (19).

23. Dispenser according to claim 1, wherein a back-stop (18) is formed on the housing (16).

20200202 242200